

**RADIATION SENSITIVE SILICON-CONTAINING NEGATIVE RESISTS  
AND USE THEREOF**

**ABSTRACT OF THE DISCLOSURE**

5           A negative resist composition, comprising:

          (a) silicon-containing polymer with pendant fused moieties selected from the  
group consisting of fused aliphatic moieties, homocyclic fused aromatic moieties, and  
heterocyclic fused aromatic and sites for reaction with a crosslinking agent,

          (b)     an acid-sensitive crosslinking agent, and

10          (c)     a radiation-sensitive acid generator is provided. The resist composition is  
used to form a patterned material layer in a substrate.